



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 23, 2018

Kate Ingram
Senior Product Regulatory Specialist
Solenis LLC
500 Hercules Road
Wilmington, DE 19808

Subject: Label Amendment – Minor changes to directions for use and other areas of label
Product Name: Spectrum RX8700 Microbiocide Agent
EPA Registration Number: 74655-37
Application Date: January 18, 2018
Decision Number: 538170

Dear Ms. Ingram:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Tara Flint via email at flint.tara@epa.gov or Zeno Bain at bain.zeno@epa.gov.

Sincerely,



Zeno Bain, Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

SPECTRUM™ RX8700 microbiocide agent

A water-based formulation to inhibit and control the growth of microorganisms in various industrial process wand water systems and material preservation.

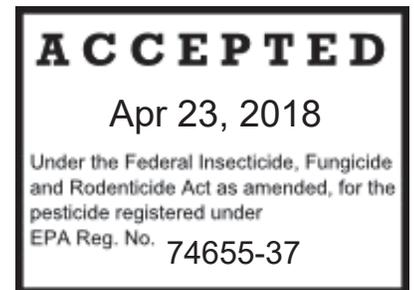
ACTIVE INGREDIENT:

Methylene bis thiocyanate.....10.0%
INERT INGREDIENTS.....90.0%
Total.....100.0%

EPA Reg. No. 74655-37

EPA Est. No.

Solenis LLC
500 Hercules Rd.
Wilmington, DE 19808
(302) 594-5000
Emergency Phone Number
1-844-SOLENIS (1-844-765-3647)



Produced for Solenis LLC

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes skin burns and irreversible eye damage. May be fatal if swallowed. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors. Wear protective eyewear such as goggles or a face shield, and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 15 minutes then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice.

**IN CASE OF EMERGENCY CALL
1-844-SOLENIS (1-844-765-3647)**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food or feed by storage or disposal. Store in a cool dry place in tightly closed original containers. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable Container. Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. All ppms are expressed as active ingredient in water. This product is effective against a wide variety of bacteria, fungi and yeast in various Industrial Process and Water Systems and Material Preservation. The following guidance is given as a range for each pattern. Actual field-testing is recommended to achieve optimum effectiveness. This product is approved by the FDA (21CFR176.300) for use in the manufacturer of paper and paperboard that contacts food. Other than the paper related uses on this label, do not use for any other listed applications, which may involve indirect food or drinking water contact.

INDUSTRIAL PROCESS AND WATER SYSTEMS

AIR WASHERS SYSTEMS:

For use only in industrial air washing systems that maintain effective mist eliminating components. Add 0.12 to 0.90 pounds of this product to 1000 gallons of water (1.4 to 10.8ppm) in the air washer sump, or chill water sump to ensure uniform mixing, for the control of bacteria, fungi, and algae. A repeat treatment may be needed depending on the severity of contamination.

RECIRCULATING COOLING TOWERS:

For the control of bacteria, algae and fungi, feed this product to the tower basin or some other point to ensure uniform mixing. Add 0.3 to 1.86 pounds per 1000 gallons of water (3.6 to 22ppm) weekly or as needed for maintenance. For noticeably fouled systems use an initial dose of 0.40 to 0.90 pounds of this product (4.8 to 11ppm) per 1000 gallons of water. Repeat if necessary to achieve control.

PAPER AUXILIARIES/ADDITIVES:

Use this product as a preservative for the control of bacteria and fungi in paper and paper additives and as a slug dose for the control of bacterial and fungal slime in the production of paper. This product may be fed directly to the additive at the following dose ranges or to the Beater or Hydropulper to ensure uniform mixing.

DOSE RANGES PER 1000 GALLONS OF WATER:

Paper Auxiliaries/Additives.....6.9 to 69 pounds (82-827) ppm

Paper Slurries.....6.9 to 69 pounds (82-827) ppm

DOSE RANGES PER TON (DRY BASIS) OF PULP OR PAPER PRODUCED:

Paper Mills.....0.14 to 0.36 pounds (7 to 18ppm)

BREWERY PASTEURIZER WATER:

For Control of Bacteria, Yeasts and Fungi: Dosages of this product will depend upon the condition of the system. Heavily contaminated systems must be cleaned first. This product must be added to the first section of the pasteurizer. Initial Dose: (0.19 to 0.37 pounds of this product per 1000 gallons of water (2.3 to 4.4ppm) once or twice weekly, or as needed to obtain control of slime forming organisms. To maintain control, add 0.092 to 0.84 pounds per 1000 gallons of water of this product (1.1 to 10ppm) once, twice or three times weekly, or as needed. Addition of this product may be continuously or intermittently, as required to control growth.

PETROLEUM PRODUCTION AND DISTRIBUTION DRILLING, COMPLETION AND WORKOVER FLUIDS:

Add this product to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 0.2 to 4.0 gallons of this product per 100 barrels of fluid (4.1 to 83ppm) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dose: Maintain a dose of 4.1 to 83ppm by adding 0.2 to 4.0 gallons of this product per 100 barrels of additional fluid, or as needed depending on the severity of contamination.

HYDROTESTING:

Water used to hydrotest pipelines or vessels should contain 0.1 to 40 gallons of this product per 1000 gallons water (11 to 4400ppm), depending on water quality and length of time the equipment will remain idle.

MATERIAL PRESERVATION

ADHESIVE, GLUES AND TACKIFIER PRESERVATION:

Add this product as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives. This product can be directly mixed homogeneous into the dry glues before they are concentrated.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Albumin Containing Glues, Bones glues, casein-containing adhesives, cellulose-based adhesives, dextrin-based adhesives, fish glues, gelatin-based glues, leather glues, plant glues, polymer dispersion – based adhesives, skin glues, starch-based glues (liquid), starch-based glues (solid)6.9 to 69 pounds (82-827)ppm

CONSTRUCTION PRODUCTS AND HOUSEHOLD PRODUCTS:

Add this product for the control of bacteria and fungi in water soluble and water dispersed construction products. This product can be fed either directly to the finished construction or household product or to one of the raw materials used in the formulation of the construction and/or household product.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Biopolymers (e.g. Xanthan), caulking materials, mastics, ceramic glazes, chemical cleaning solutions, cleaning solutions, concrete and masonry additives, concrete, fire extinguishing medium, photographic gelatins, plasters, polishes, rubber systems, tints, wax emulsions6.9 to 69 pounds (82-827)ppm

FUEL PRESERVATION:

Add this product for the control of bacteria and fungi in the following liquid hydrocarbon fuels and oils: crude oils, aviation fuels, kerosene, heating oils, diesel fuels, residual fuel oils, coal slurries, liquefied petroleum gases and petrochemical feedstock.

Add this product directly into a fuel tank, storage or a flowing stream of fuel in a manner to ensure uniform distribution of the preservative in the fuel system. Slug dose or continuous feed methods are recommended. When the system is noticeably fouled, add 32-64 fluid ounces of this product per 10,000 gallons of fluid in the system. This will provide 25 to 50ppm of this product and 2.5-5.0ppm active ingredient. Repeat until control is achieved. Grossly contaminated systems must be physically cleaned to remove debris. When the system is noticeably fouled add 64-128 fluid ounces of this product per 10,000 gallons of fluid to maintain the system. This will provide 50 to 100ppm of this product and 5.0-10ppm active ingredient. Repeat every 4-6 weeks or when microbial contamination is detected.

FOR USE IN AVAILTION FUEL, THE FEDERAL AVIATION ADMINISTRATION MUST BE CONSULTED AS TO THE ACCEPTABILITY OF THE ADDITIVE FOR USE IN SPECIFIC ENGINES AND/OR AIRCRAFT.

LEATHER TANNING:

This product is used as a preservative for the control of bacteria and fungi. Add this product directly into pickle solutions. An effective protection against mold attack may be obtained by adding this product into the basifying solution. Finished vegetable-tanned leathers and chrome leathers may also be protected against mold attack by a treatment on both sides of the material with a 0.025%-0.25% solution of this product.

DOSE RANGES:

Chrome leather (calculated on pelt weight), leather pasting adhesives, leather pigment finishes, pickle solutions and pickled hides.....0.025-0.25%

METAL WORKING FLUIDS, LUBRICANTS AND MINERAL OIL BASED PRODUCTS:

Use this product as a preservative for the control of bacteria and fungi in Metalworking, Lubricants and Mineral Oil Based Products.

Add this product directly to the cutting oil as recommended.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Metalworking fluids- Mineral Oil Based - boring and cutting oils, cooling fluids (concentrates), cooling fluids (ready to use), fuel oils, hydraulic oils.....6.9 to 37 pounds (82-444)ppm

Metalworking fluids-Non-Mineral Oil Based - cooling fluids, cutting fluids..6.9 to 37 pounds (82-444) ppm

PAINTS, COATINGS AND STAINS: This product is generally incorporated directly into pigments and fillers, but it can also be first dissolved in a suitable solvent, such as water, or added directly to the pre-heated binder systems. For best results, this product should be homogeneously incorporated, into the stain or paint. Discoloration may occur, and should be evaluated.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Alkyd Resin-Based Systems, casein-systems, latex-based systems, oil-containing systems, synthetic resin dispersions.....6.9 to 69 pounds (82-827) ppm

PIGMENTS, DYES AND FILLER SUSPENSIONS:

This product is metered directly into the material to be preserved during the cooling step after the temperature falls below 50°C and homogeneously distributed by stirring.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Calcium Carbonate Slurries, carbon black pigment slurries, clay slurries, iron oxide pigment slurries, kaolin slurries, organic dyes and pigment slurries, other filler suspensions, starch slurries, dispersing agent tank.....6.9 to 69 pounds (82-827)ppm

POLYMER DISPERSIONS AND EMULSIONS:

This product is added immediately after the preparation of the polymer dispersion or emulsion during the cooling process. Mix this product early with dispersing agents for processes where the temperature does not exceed 50°C. Loss of active ingredient caused by elevated temperatures must be avoided.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

(polymer Dispersions and Emulsions) – acrylic-systems, other polymer dispersions, polyester-based systems, polyurethane-based systems, polyvinyl acetate (PVA) systems, styrene butadiene systems, vinyl acrylic-based systems.....6.9 to 69 pounds (82-827)ppm

TEXTILES:

Add this product directly to the textile normally by dipping or spraying. The preservative is affixed to the fiber with a suitable acid like acetic acid. For the preservation of auxiliaries, this product is diluted in solvents as mentioned above or is homogeneously distributed with the aid of alkaline solutions or emulsion concentrates. Print thickeners are preserved by adding this product directly to the emulsion or homogeneously metered directly into the dried product. Milling may be necessary in order to obtain consistent particulate sizes.

DOSE RANGES PER 1000 GALLONS OF MATERIAL:

Auxillaries (Sizing Agents, Finishing Agents, Spinning Preparations, Wetting Agent), awnings and tarpaulins, carpets, cotton production, felts, fire hoses, geotextiles, jute/sisal, shower curtains, upholstery, wool production.....6.9 to 69 pounds (82-827)ppm

mmyy [where mm is two numerical digit month and yy is two numerical digit year to be used to identify label version]

[Note to reviewer: information in [] will not appear on marketplace label]

Spectrum RX8700

January 18, 2018

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